

CHANGING SAND IN SAND FILTERS



INTRODUCTION

The sand in sand filters in pools needs to be replaced every three to five years in pools that use chlorine or bromine as the primary sanitizer. If it has been longer than one year since the filter media has been chemically cleaned, it may be necessary to replace the sand. Use Kleen It® before closing the pool in the fall and Strip Kwik® midway through the summer to help keep the sand in good condition.

Replace the sand more often if you have hard water — which can make the sand channel. Also replace more often if you have problems with cottonwood seeds or anything else that might cut filter efficiency.

For biguanide systems, like SoftSwim®, it is rec-

ommended that the sand be changed every season and the filter be chemically cleaned with SoftSwim Filter Cleaner® every four to six weeks.

To change the sand in sand filters, do the following:

STEP 1: Check with owner's manual as to how to open the filter. There are several types of filters and each one differs as to the fill method and amount of sand.

STEP 2: The formula for figuring the amount of sand needed is as follows:

82 pounds of sand per cubic foot of filter area

There should be a tag on the filter tank stating the cubic feet. Example: a 3.1 cubic foot filter would take 250 pounds of grade 20 Silica sand.

If you do not know how many cubic feet you need, fill to approximately 2/3's full or if you know the model number, see the chart on the last page.

STEP 3: The best way to remove the old sand from your filter tank is to use a wet/dry vacuum or you can remove it by hand.

STEP 4: Check laterals for cracks or clogged screens (the screen located on the underneath side of the laterals). If the lateral is damaged or has a hairline crack, replace. Please note filter brand and model number when checking on replacement part(s).

STEP 5: Before adding new sand to the filter, cover the standpipe with a rag to prevent the sand from going into the standpipe and clean sand out from the lateral hub guide at the bottom of the filter tank.

STEP 6: Fill the tank with water to six inches above the laterals. Water helps protect the laterals from damage due to the weight of the sand. Then slowly add enough sand to cover the laterals. Finish filling with the proper amount of sand. Silica sand, grade 20 is highly recommended by most filter manufacturers. Beware of inexpensive filter sand. Round river sand gives poor filtration.

STEP 7: Lube the tank o-ring and all other o-rings with Magic Lube or a type of teflon based lubricant/sealant. Do not use Vaseline or petroleum based lubricant/sealant because they are water soluble and will not last as a sealant and will cause plastic to breakdown.

STEP 8: If you had to cut pipes going to and from the filter, use no-hub clamps or unions in lieu of pvc couplings. This allows for easier access in the future.

STEP 9: Close filter and backwash for 3-5 minutes before turning the valve to filter position. Always shut pump off before turning valve position.

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NOTE: Always follow label directions and manufacturer's instructions for each product used. Conditions may vary from pool to pool. Ultra Modern Pool & Patio does not assume any responsibility or liability for the results that may be obtained through utilization of this or any other program, procedure or product.

| BRAND | SQ. FT. | POUNDS |
|-------------------------------|--------------|--------------|
| American Products 22" Eclipse | 2.5 sq. ft. | 150 lbs. |
| American Products 26" Eclipse | 3.5 sq. ft. | 225 lbs. |
| American Products 30" Eclipse | 4.6 sq. ft. | 225 lbs. |
| American Products 22" Meteor | 2.5 sq. ft. | 150 lbs. |
| Doughboy Media Master MM1300 | 1.0 sq. ft. | 100 lbs. |
| Doughboy Media Master MM1600 | 1.4 sq. ft. | 150 lbs. |
| Doughboy Media Master MM1900 | 2.5 sq. ft. | 225 lbs. |
| Doughboy Media Master MM2200 | 2.6 sq. ft. | 300 lbs. |
| Doughboy Media Master MM2600 | 3.7 sq. ft. | 400 lbs. |
| Doughboy Silica II Filter | | 130 lbs. |
| Doughboy Silica I | | 100 lbs. |
| PacFab TA 60 | 3.1 sq. ft. | 230-250 lbs. |
| PacFab TA 50 | 2.3 sq. ft. | 160-175 lbs. |
| PacFab TA 40 | 1.8 sq. ft. | 130-140 lbs. |
| PacFab TA 30 | 1.3 sq. ft. | 70-75 lbs. |
| PacFab 100 | 4.9 sq. ft. | 500 lbs. |
| PacFab 50 | 2.6 sq. ft. | 200-235 lbs. |
| PacFab 35 | 1.8 sq. ft. | 150 lbs. |
| PacFab TR 40 | 1.9 sq. ft. | 150 lbs. |
| PacFab TR 50 | 2.46 sq. ft. | 200 lbs. |
| PacFab TR 60 | 3.14 sq. ft. | 300 lbs. |
| PacFab TR 100 | 4.91 sq. ft. | 575 lbs. |
| PacFab TR 140 | 7.06 sq. ft. | 750 lbs. |
| Swimquip HiRate HRP-16 | | 123 lbs. |
| Swimquip HiRate HRP-20 | 2.2 sq. ft. | 164 lbs. |
| Swimquip HiRate HRP-24 | 3.1 sq. ft. | 250 lbs. |
| Swimquip HiRate HRP-30 | 4.9 sq. ft. | 328 lbs. |
| Jacuzzi MFM17 | | 155 lbs. |
| Jacuzzi MFM20 | | 255 lbs. |
| Jacuzzi MFM24 | | 325 lbs. |
| Premier SFS18 | | 150 lbs. |
| Premier SFS24 | | 200 lbs. |
| Hayward S200 | | 200 lbs. |
| Hayward S160 | | 150 lbs. |
| Hayward S240 | | 300 lbs. |

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#140

JULY - 2015

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